METRONIC

T2 HD zapbox

Digital TV Receiver

USER MANUAL

Freeview HD

Certification mark
digital
Approved product

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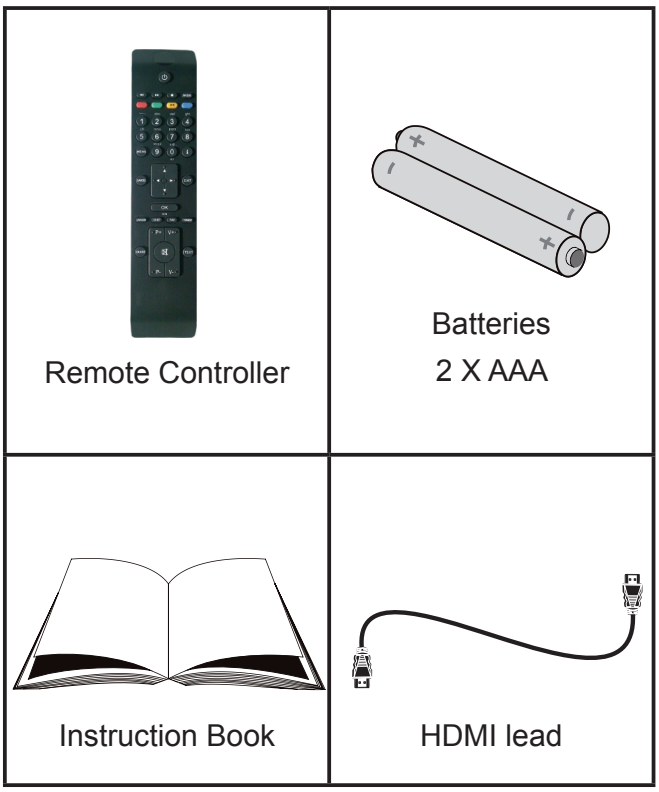
Features

- DVB and VBI teletext.
- 200 channels
- DVB 7 days event information (7-days EPG).
- TV scart (with RGB and CVBS support).
- HDMI output.
- Automatic tuning.
- Favourite list.
- Parental lock options.
- DVB-T2 compliant.
- Manual and automatic search options.
- On-Screen-Display.
- Automatic day light saving time updating.
- Decoding & Video Out: PAL.
- Multi-format audio decoder.
- Multi language audio support (up to 10).
- Audio mute and volume control.

Accessories

Please make sure that the following items are included with your device.



Introduction

- Thank you for choosing this product. This manual will guide you through the operation of your set-top-box.
- Before operating the set-top-box, please read this manual thoroughly. Please do keep this manual in a safe place for future references. Read the corresponding instructions of this handbook prior to the first usage of the device, even when the usage of electronic devices is familiar to you.
- Please read the chapter SAFETY PRECAUTIONS and INFORMATION. Carefully keep the handbook as future reference. When selling the device or giving it away, please ensure you give these directions for use.

Safety Precautions

POWER: The receiver should be plugged into a 220-240 V AC 50Hz supply only.

LEADS: Ensure the power supply lead, and all other leads, are positioned so they are not likely to be walked on or crushed by things placed on or against them. Pay particular attention to the power lead, where it enters the mains plug and where it comes out of the receiver. Do not connect or adjust leads when the receiver is plugged in.

TEMPERATURE AND MOISTURE: Do not leave or use the receiver in a hot, cold or humid area. Do not allow the receiver to get wet - from drips or splashes - as this may be dangerous. Do not place water-filled objects such as flower vases, on top of the receiver.

VENTILATION: Slots and openings in the receiver's cover are for ventilation. Do not cover or block them as this could lead to overheating.

CLEANING: Unplug the receiver before it is cleaned. Use a lightly dampened cloth only. Do not use liquid or aerosol cleaners.

HEAT AND FLAMES: The receiver should not be placed near to naked flames or sources of intense heat, such as an electric fire. Ensure that no naked flames sources, such as lighted candles, are placed on top of the Receiver.

LIGHTNING: Before a storm with lightning or when going on holiday, disconnect the AC adapter and aerial lead from the wall sockets.

REPLACEMENT PARTS: If your receiver needs a replacement part, ensure the person undertaking the repair uses parts which are specified by the manufacturer or have the same specifications as the original part. Other parts may cause a fire, electric shock or other hazards.

BATTERY DISPOSAL: Batteries, including those which are heavy metalfree, should not be disposed of with household waste. Please dispose of used batteries in an environment friendly manner. Find out about the legal regulations which apply in your area.

Important Safety information

Mains supply
This equipment is designed to operate from a 220-240 Volt, 50Hz AC mains supply. Other power sources may damage it. Check that the rating label on the back of the mains adapter states 220-240V AC before you plug it in for the first time.

Mains lead

We have fitted this equipment with a mains adapter with a standard plug fitting.

- If the mains lead becomes damaged it must be replaced with an approved lead of the same type and rating to avoid a hazard.

Symbols

This equipment is double insulated and an earth connection is not required.

Dangerous voltage constituting a risk of electric shock is present inside this equipment.

This mark is applied to show the equipment conforms to European safety and electro-magnetic compatibility standards.

There are important operating and maintenance instructions in the literature accompanying this equipment.

Safe use and care of your equipment

We have designed and made this product to meet European safety standards, but as with any electrical equipment you must take care to get the longest working life from it and stay safe. Here are a few tips to help you do this.

Read these instructions carefully before you try to use the equipment.

Protect the mains lead. You must ensure the mains lead cannot be walked on, crushed, chafed or cut.

Avoid harsh conditions such as wet or damp places, high humidity, strong vibration, extremely high or low temperatures, strong sunlight and places which are very dusty.

Never push objects into holes and ventilation slots.

To save power, switch off mains power or pull out the mains power adapter when you are not using the equipment, unless the function of the equipment requires a continuous power supply.

Don't continue to use this equipment if you have spilt liquids in it, if it is damaged in any way or if it does not work normally, immediately unplug the equipment and get expert advice.

Pull the mains adapter out of the wall socket during thunderstorms.

This product is designed for domestic use only. Commercial or any other use may invalidate the guarantee and might be dangerous.

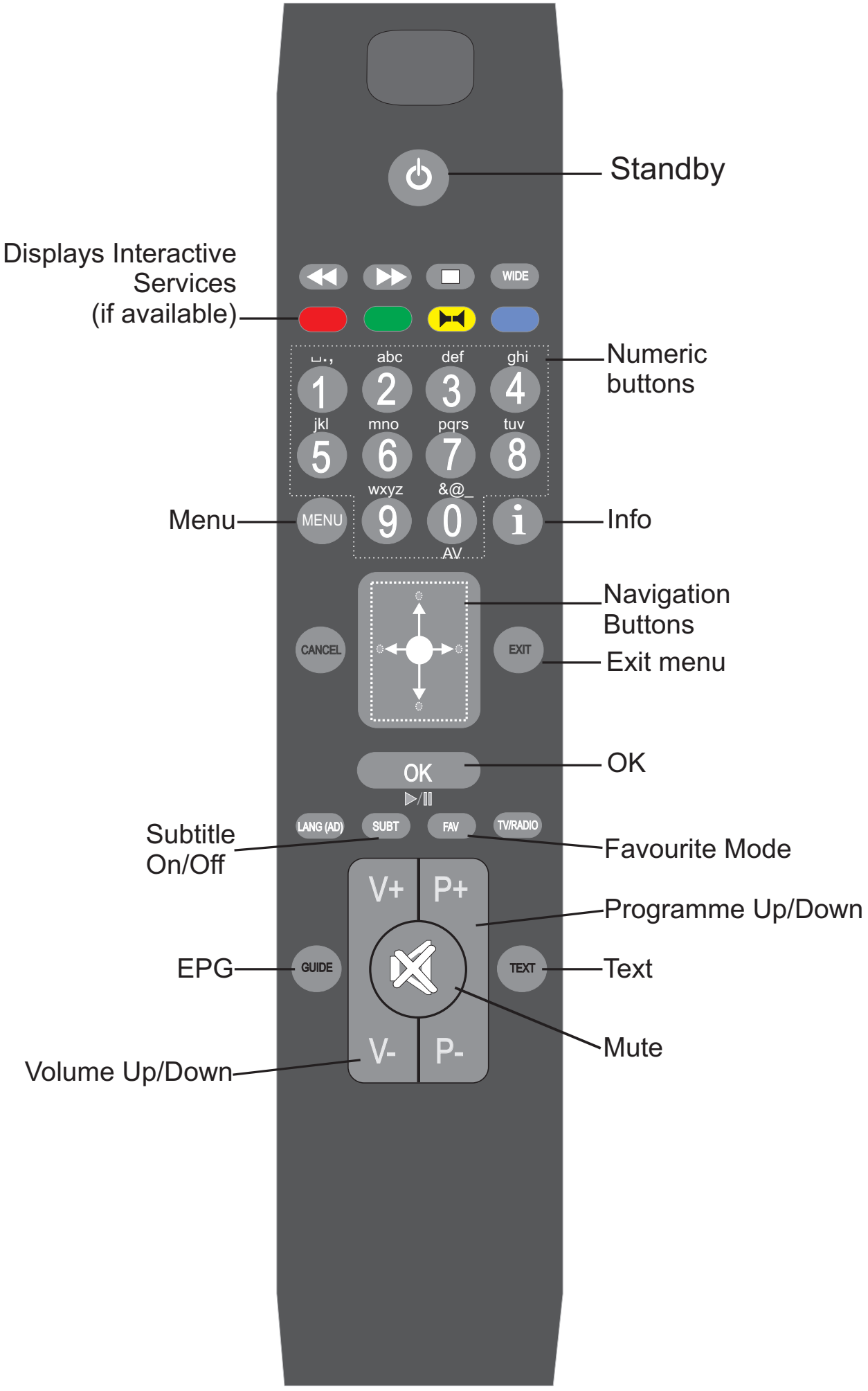
Ventilation
Place the equipment on a hard flat surface away from direct sunlight and heat sources. Don't obstruct the ventilation slots, including those underneath, with soft furnishings. Overheating will shorten the life of the equipment and increase the risk of fire.

Cleaning
Disconnect the mains supply and use only a lightly dampened soft cloth. Do not use chemical solvents or strong detergents as these may damage the cosmetic finish.

Important Safety warnings

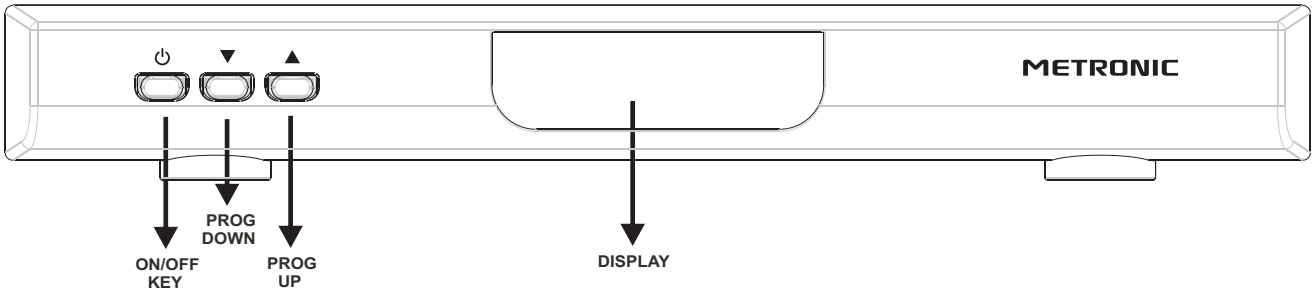
- **To prevent electric shock, do not remove any cover.**
- **If anything goes wrong, don't try and fix it yourself, get a qualified service agent to look at the product.**
- **Do not expose this equipment to dripping or splashing or place any objects filled with liquids, such as vases, on the equipment.**
- **Never put a naked flame source such as lighted candles on or near this equipment.**
- **Small parts. Do not let young children play with the equipment.**

Overview of the Remote Control

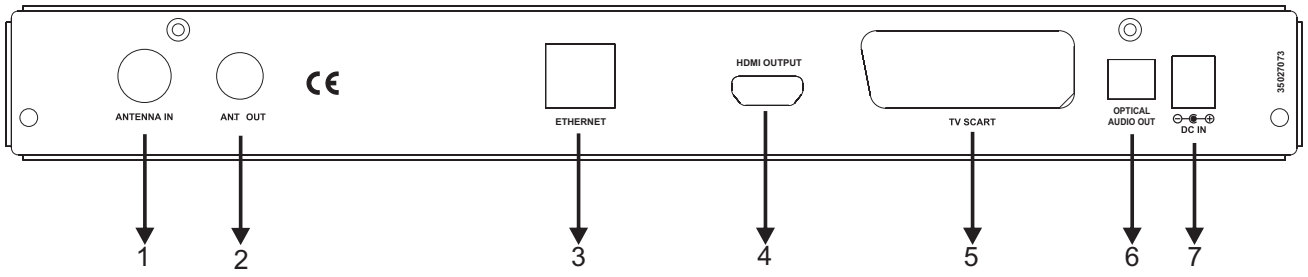


Viewing Controls and Connections of the Set Top Box

Front Panel



Rear Panel



1. **ANTENNA IN :** You can connect the antenna to the aerial input of the box.
2. **TV OUT :** You can use ‘’aerial TV out’’ to connect aerial to your TV.
3. **ETHERNET:** Use this to connect the box to an active LAN connection.
4. **HDMI OUTPUT :** Connect the box to your TV’s HDMI input (if available) by using HDMI connection cable.
5. **TV SCART :** If your TV has a scart connector, you can connect the box to your TV using a scart cable.
6. **OPTICAL AUDIO :** You can use this connector to output the digital audio to an external device. See your audio system instruction book for further information.
7. **POWER SUPPLY :** DC IN (12V) power connection.

Make sure that you connect all cables and connections before you plug the unit into the mains supply. After you connect the unit to the mains supply, the LED light located on the front panel will be red (Standby mode).

Inserting Batteries in the Remote Control

• Remove the battery cover located on the back of the remote control by gently pulling back the indicated part.

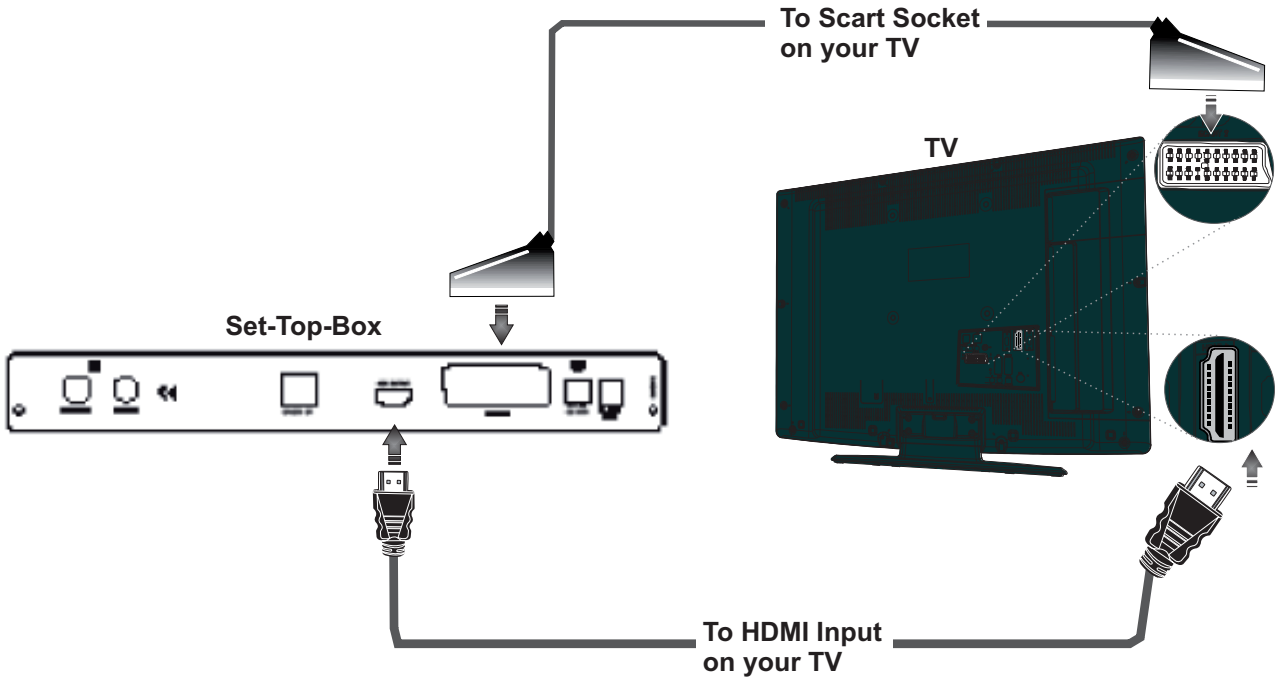
• Insert two AAA/R3 (2 X 1.5Volt) or equivalent type batteries inside. Place the batteries in the right direction observing the polarity symbols (+/-) and replace the battery cover.

• While using the remote control, you should direct it towards the front panel of the receiver. Remote range is approximately 7m/23ft.

• If your receiver no longer responds to the remote control. it is probable that the batteries are exhausted. If so you can still use the local buttons of the receiver. You can replace batteries after they are exhausted. Please only use leak proof batteries.

Note : Remove the batteries from the remote control when it is not being used for a long period. Otherwise it can be damaged due to any leakage of batteries.

Connecting the Set-Top Box to a TV Set



You can connect your set top box to a TV by using the following methods:

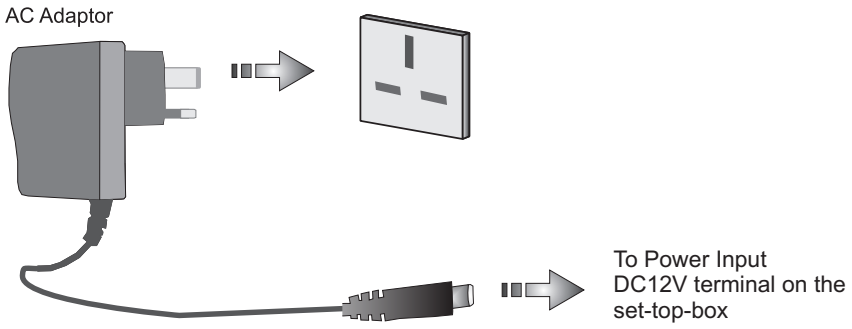
1. HDMI connection: If your TV has an HDMI input, you can simply connect the set top box to your TV by using an HDMI cable between the HDMI OUT connector on your Set-Top Box and the HDMI INPUT connector on your TV. HDMI connection provides a better picture/sound quality.

2. SCART connection: You can also connect the set top box to your TV by using the scart socket. Use a scart cable to connect the set-top-box to your TV.

Power Connection

IMPORTANT: The set-top box is designed to operate on 12V DC. For this, an adaptor is used which supplies a 12V DC voltage. Connect this adaptor to a mains socket that supplies 220-240V AC,50Hz.

• After unpacking, allow the set-top box to reach the ambient room temperature before you plug it in to the mains for the first time.

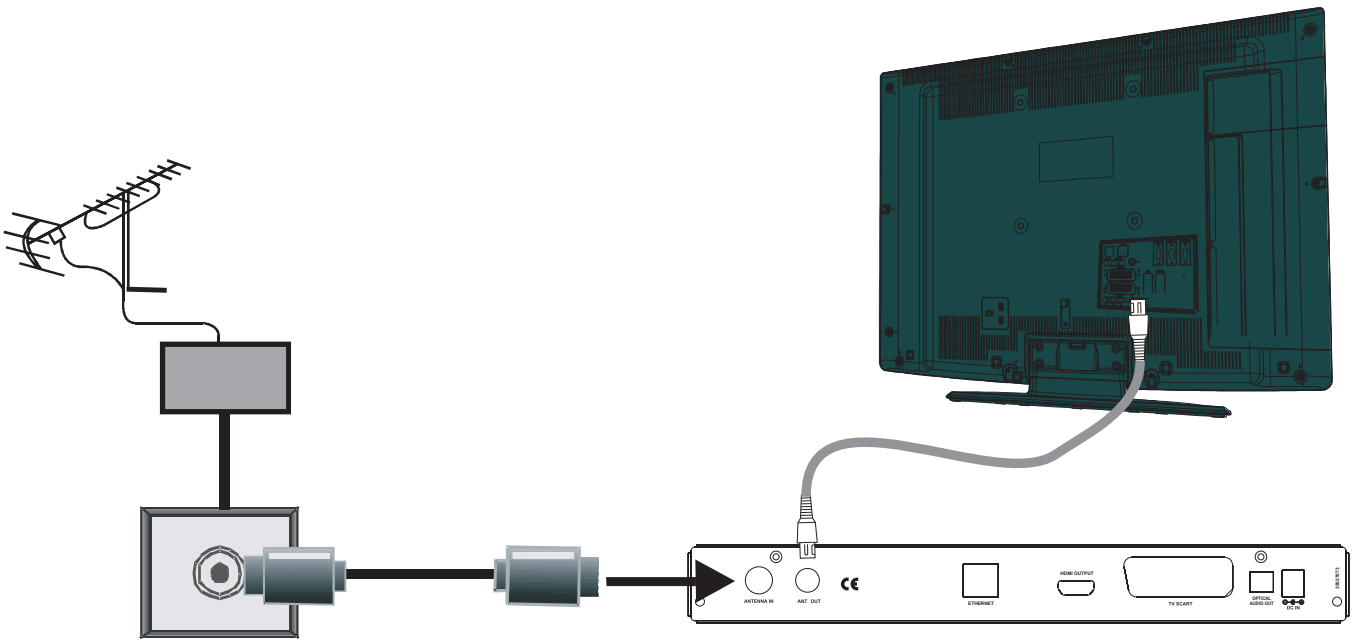


Antenna Connection

This illustration shows how to connect an antenna.

• Use **ANTENNA IN** to connect to an antenna system.

• You can also use **TV OUT** to connect the antenna to your TV through the set-top-box with an appropriate antenna cable.



Power On-Off

• After plugging the set-top-box into the mains supply, a light will be seen on the front panel (Standby mode).

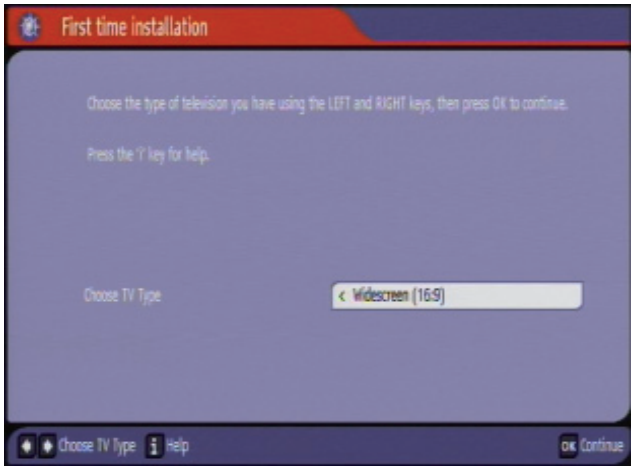
• When the set-top-box is first powered up please wait until the box is initialised. This will take a few seconds.

• Afterwards, you can switch on your digital set-top box by pressing the standby button on the remote control. You will see that the light on the front panel will change colour (power on mode).

First Time Installation

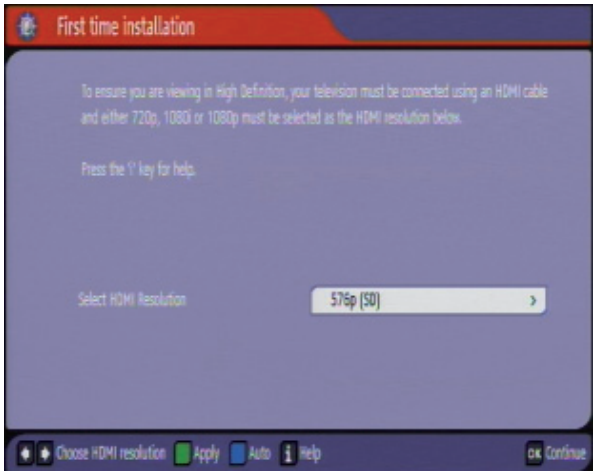
IMPORTANT: Ensure that the aerial is connected before switching on the set-top-box for the first installation.

• When the set-top-box is operated for the first time, installation wizard will guide you through the process. First, TV Type selection menu will be displayed on screen:


First time installation
Choose the type of television you have using the LEFT and RIGHT keys, then press OK to continue.
Press the 'i' key for help.
Choose TV Type
< Widescreen (16:9)
Choose TV Type
Help
Continue

• Select the TV Type by using "◀"/"▶" buttons and press **OK** button to continue.

• Afterwards, HDMI resoulution selection menu OSD will be displayed:

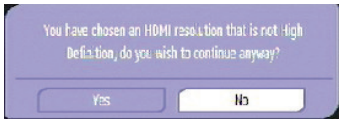

First time installation
To ensure you are viewing in High Definition, your television must be connected using an HDMI cable and either 720p, 1080i or 1080p must be selected as the HDMI resolution below.
Press the 'i' key for help.
Select HDMI Resolution
576p (SD)
Choose HDMI resolution
Apply
Auto
Help
Continue

• If your display is connected via **HDMI** connector, you can use **BLUE** button to define **HDMI** resolution automatically.

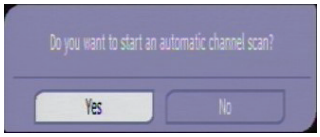
• You can select the desired resolution by pressing ◀/▶ buttons.

• Press **GREEN** button to apply changes and use **OK** button to continue.

• If you do not set a resolution, the following message will be displayed:

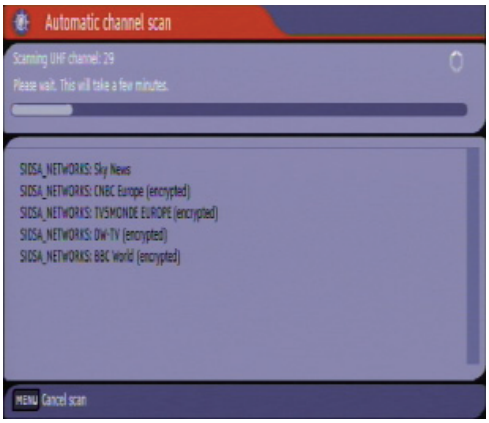


• Select **Yes** or **No** by using "◀"/"▶" buttons. Press OK to continue and the following message will be displayed on the screen:



• To start installation process, select **Yes** by using "◀"/"▶" buttons and then press the **OK** button.

• The box will start to search available stations. The progress bar will move along the line. You should allow the set-top-box to complete the search to store all available stations.


Automatic channel scan
Scanning UHF channel: 29
Please wait. This will take a few minutes.
SIDSA_NETWORKS: Sky News
SIDSA_NETWORKS: CNBC Europe (encrypted)
SIDSA_NETWORKS: TV5MONDE EUROPE (encrypted)
SIDSA_NETWORKS: DW-TV (encrypted)
SIDSA_NETWORKS: BBC World (encrypted)
MENU Cancel scan

*Note: You can press **MENU** button to cancel.*

Changing Channels

• You can change channels with the following methods.

• You can press the numeric buttons (0–9) to directly enter the channel number. You can press numeric buttons consecutively to enter two or more digits.

• Press the **PR +/ PR -** buttons to move up or down to the next available channel.

***Note**: You can press **OK** button to display the channel list.*

Adjusting the Volume

Mute

• You can press "🔇" to mute the sound of your set-top-box. The sound will be muted once this button is pressed.

• To cancel mute, you can press "🔇" button again or use the **V +/-** buttons.

Volume Up / Down

• You can increase or decrease the volume by using **V+ / V-** buttons.

• The volume level selected will remain set, even when the receiver is turned off and on again, until you change volume again.

• The audio volume adjustment for the receiver is independent of the volume control on your TV set.

IMPORTANT: You should be careful that both volume controls are kept within reasonable levels so that when switching on, or when first turning on your TV set, the sound level is not too high.

On-Screen Information

• You can press **INFO** button to display on-screen information. Details of the station and current programme will be displayed on the information screen.

• Particularly; current event name, next event name, and starting and ending time, duration bar, programme mode, channel number and name will be displayed on the information screen (if available).

Menu System

Viewing the Main Menu

• Press the **MENU** button to view main menu.

• You can move between menus by using the navigation (◀ / ▶ / ▼ / ▲) buttons on the remote control.

• You can enter, select or confirm a menu option by using **OK** button.

• In some sub-menus, you can use **BACK** button to return to a previous menu screen.

• To exit from a menu screen, you can press **MENU** button.

• The following items are located in the main menu screen:

Information Banner

• Information banner will be displayed at the bottom of the menu screen in all menus.

• Available functions that can be used in the current menu are displayed in the information banner.

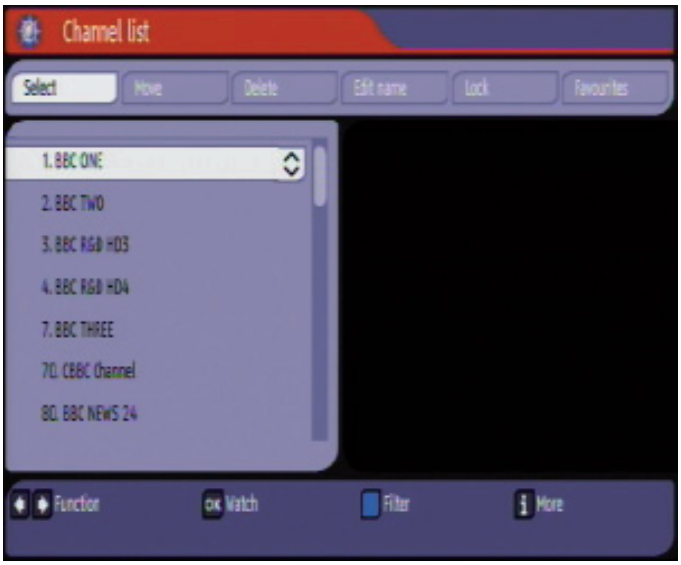
Managing Stations: Channel List

• The set-top-box sorts all stored stations in the Channel List.

• You can edit this channel list, set favourites or sort channels by using the Channel List options.

• Press **MENU** button to view main menu. Select Channel List item by using "▼"/"▲" buttons. Press **OK** to view menu contents.

***Note**: You can directly press OK button to view channel list.*



Selecting a Specific Channel

• ***Select*** option should be highlighted by using "◀"/"▶" buttons.

• To watch a specific channel, you should highlight the desired channel using "▼"/"▲" buttons and press **OK** button. Selected channel will be displayed.

• If the selected channel is password protected, parental lock password will be asked. If the correct code is entered, selected channel can be watched.

Operating the Channel List

• Press "▼"/"▲" button to select the channel that will be processed.

• Press "◀"/"▶" button to select a function on Channel List menu.

• Use **P+/P-** buttons to move page up or down.

• Press **BLUE** button to view filtering options.

• Press **MENU** button to exit.

• Use **INFO** button to view more information.

Moving a Channel

• First select the desired channel to be moved by using "▼"/"▲ button.

• Select Move option in the channel list by using "◀"/"▶" button and press **OK** button.

• Edit Number screen will be displayed. Enter the new channel number by using the numeric buttons on the remote control.

• If there is a previously stored channel on that number, a warning screen will be displayed. Select **Yes** if you want to move the channel and press **OK**.

• Press **OK** button to process. Selected channel is now moved.

***Note**: In some countries, the order of the channels is arranged automatically by the broadcaster. This is called logical channel number (LCN). If the selected country has LCN support, the channels will be enumerated one by one, beginning from number '1'. You cannot move any programme to a position after the last saved one. If you try to do this, both programmes will change their places. If LCN support is not available, you can move the channels between 1-999.*

Deleting Channels

• Select the channel that you want to delete and select Delete option using "◀"/"▶" button . Press **OK** button to continue.

• A message will be displayed to confirm your decision. Select **YES** to delete the selected channel, select **NO** to cancel. Press **OK** button to continue.

• Selected channel will be deleted if you select **YES**. The operation will be cancelled if you select **NO**.

Renaming Channels

• Select the channel that you want to rename and select Edit Name option using "◀"/"▶" button. Press **OK** button to continue.

• Pressing "◀"/"▶" button moves to the previous/next character. Pressing "▼"/"▲" buttons toggles the current character, i.e., 'b' character becomes 'a' by pressing "▼" and 'c' by pressing "▲".

• Pressing the numeric buttons '**0...9**' replaces the highlighted character with the characters printed above the button one by one as the button is pressed.

• Press **MENU** to cancel editing.

• When finished, press **OK** button to save the new name.

Adding Locks to Channels

• Select the channel that you want to lock and select **Lock** option using "◀"/"▶" button. Press **OK** button to continue.

• You will be asked to enter parental control PIN code. Default PIN is set as **0000**. Enter the PIN number.

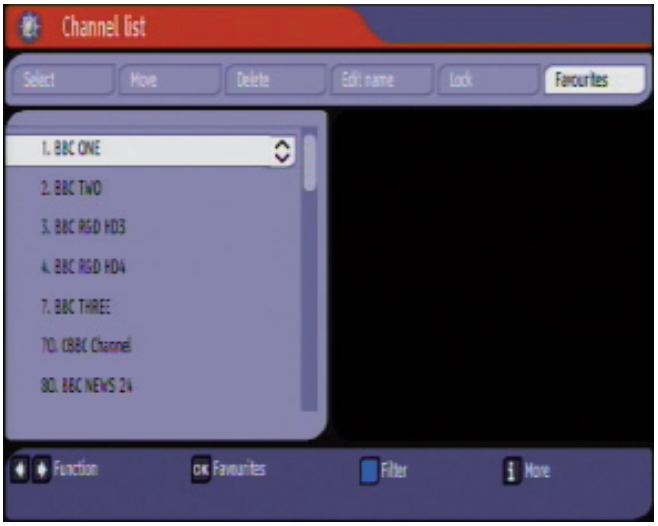
• Press **OK** button when the desired channel is highlighted to lock/unlock the channel. Lock symbol will be displayed next to the selected channel. You can repeat the same operation to cancel the lock.

***Note**: Default PIN code is 0000 and it can be changed using the Configuration Menu.*

Setting Favourites

• Select Favourites to manage favourite list. Use "◀"/"▶" and **OK** buttons to select Favourites.

• You can set various channels as favourites so that only the favourite channels are navigated.



• Select a channel by using ▼"/"▲" button. Press **OK** button to add selected channel to the favourites list.

• **F** icon indicates that the selected channel is added to the favourites list.

• You can press **OK** button again to remove the selected channel from the list.

Button Functions:

• **OK**: Adds/removes a station.

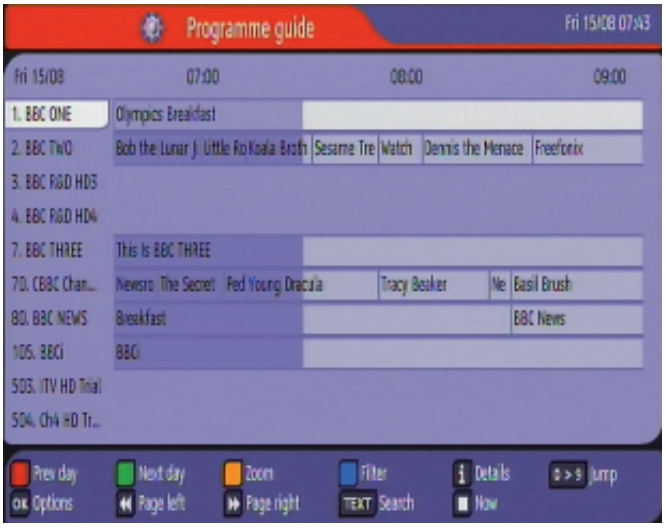
• **BLUE**: Displays filtering options.

Viewing Electronic Programme Guide (EPG)

You can view the electronic programme guide (EPG) to view information about available programmes. Select ***Programme Guide*** from the main menu by using "▼"/"▲" buttons. Press **OK** to continue.

HINT: *You can also press* **GUIDE** *button to view the EPG menu.*

- Press "▼"/"▲" buttons to navigate through channels.
- Press "◀"/"▶" buttons to navigate through the programme list.
- EPG menu displays available information on all channels.
- Please note that event information is updated automatically. If there is no event information data available for channels, EPG will be displayed with blanks.



Red button (Prev Day): Displays the programmes of the previous day.

Green button (Next day): Displays the programmes of the next day.

Yellow button (Zoom): Expands programme information.

Blue button (Filter): Views filtering options.

INFO (Details): Displays the programmes in detail.

Numeric buttons (Jump): Jumps to the preferred channel directly via numeric buttons.

OK (Options): Displays programme options including "***Select Channel***" option.

Page Left: Scrolls page left.

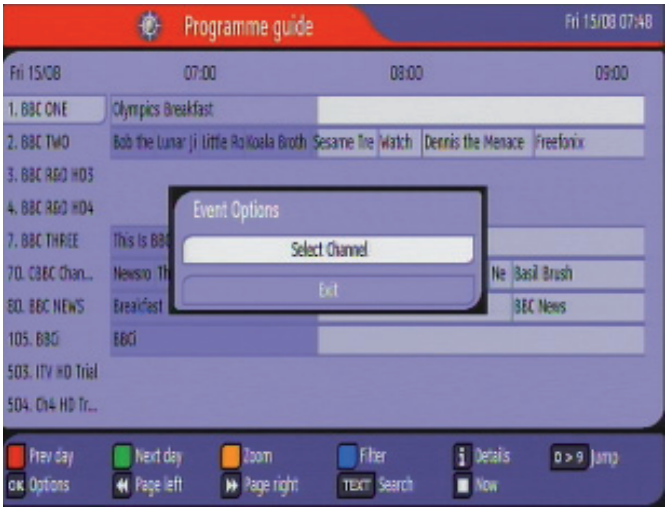
Page Right: Scrolls page right.

Text (Search): Displays "***Guide Search***" menu.

■ **(Now)** : Shows the current programme.

Event Options

In EPG menu, press the **OK** button to enter the "***Programme Options***" menu.

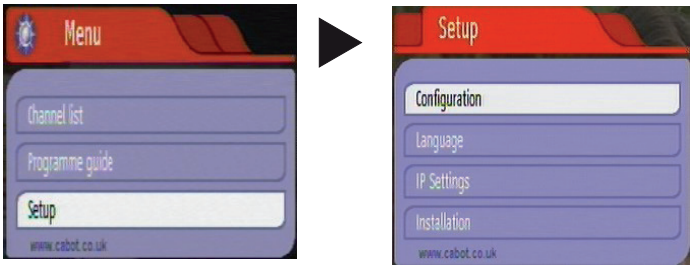


Select Channel & Exit

- Using this option, you can switch to the selected programme or exit.

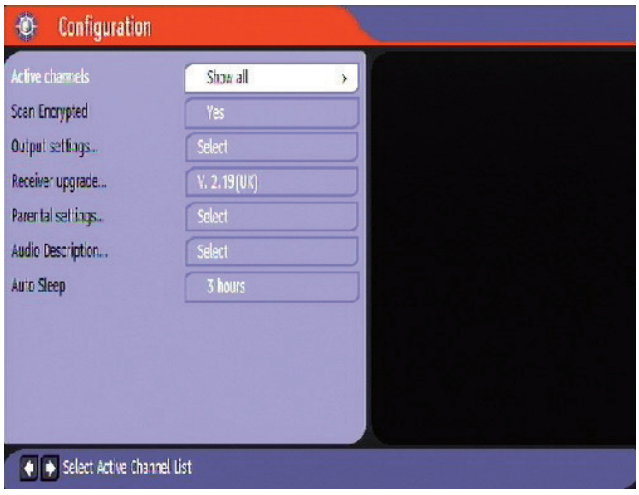
Configuring Settings: Setup Menu

- Detailed settings can be configured to suit your personal preferences.
- Select Setup from the main menu by using "▼"/"▲" buttons and press **OK** button to display Setup menu.



Configuration

- You can configure main settings of your set top box using configuration screen.
- Select ***Configuration*** from Setup menu and press **OK** to continue.
- You can press **BACK** button to exit



Active channels

- You can select broadcasts to be listed in the channel list. To display specific types of broadcast, you should use Active channel list setting.

• Select ***Active Channels*** by using "▼"/"▲" button.

• You can select a broadcast type option from the list by using "◀"/"▶" button. Available modes are: **TV Only, Radio Only, Text Only, Favourites** or **Show All** (if available).

• Press the **MENU** button to save the recent changes and exit.

Scan Encrypted

• When this setting is on, search process will locate the encrypted channels as well. If it is set as Off, encrypted channels will not be located in automatic search or manual search.

• Use"▼"/"▲" buttons to highlight ***Scan Encrypted*** and press "◀"/"▶" buttons to select **YES** or **NO**.

Output Settings

TV Type

• Digital terrestrial television channels can be broadcast in a widescreen format which must be output differently to normal and widescreen TV sets.

• This function defines the screen format of the connected TV to enable broadcasts' to be displayed correctly.

• Select **4:3** if you have a standard TV set with 4:3 aspect ratio.

• Select **16:9** if you have a widescreen TV.

• If you select **Auto**, TV type will be set automatically according to the broadcast.

Note*: This function also enables you to change TV type that you have previously selected during the first time installation.*

TV Out

• The set-top-box can output RGB and CVBS signal via the **TV SCART** connector located on the rear panel.

• Although the RGB format provides a better picture quality, some devices might not support it.

AC3 Audio

• Highlight the AC3 Audio item by pressing "▼"/"▲" buttons. Use the "◀"/"▶" buttons to set the **AC3 Audio** as On or Off.

• If the channel that you are watching supports AC3 Audio, you can turn this setting on.

SPDIF Delay

You can use this setting when there is an SPDIF synchronization problem in the received broadcast. Press the "◀" or "▶" button to change the delay.

Digital Audio

• Use this setting to define digital audio out signal type.

• Use "◀" or "▶" buttons to set **Digital Audio** as **Bitstream** or **PCM**.

• If your selected channel includes compressed sound stream, you can connect your set-top box to an external equipment by using digital audio out of your set-top box for enabling the sound output.

• If you have no external sound equipment, please select Digital Audio Out as **PCM** by using "◀" or "▶" button.

HDMI Resolution

• This setting enables you to change HDMI resolution as 576P, 720P, 1080i or 1080P.

• Use "◀"/ "▶" button on the remote control to change resolution and press **GREEN** button to apply.

HDMI HDCP

• In the Configuration menu, highlight the HDMI HDCP item by pressing "▼" or "▲" buttons.

• Use the "◀" or "▶" button to set the HDMI HDCP as On or Off.

Receiver Upgrade

• To ensure that your set-top-box always has the most up to date information, you can use this setting. In order for the proper operation, please ensure that the box is set to standby mode.

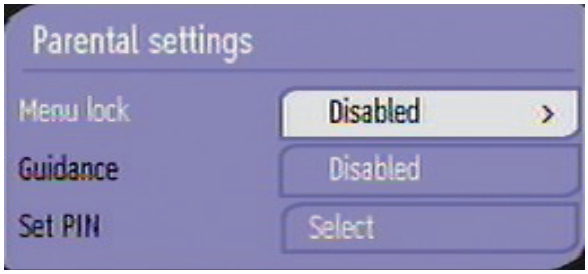
• The STB automatically powers up at 3.00 A.M. every day and searches for any new software that may

be broadcast. If found, the box will download new software automatically. This operation will normally take approximately 30 minutes.

- You can enable or disable automatic upgrade by setting **Automatic Scanning** option.
- You can manually search for new software by selecting **Scan for upgrade**.
- To upgrade software via USB, you can use **USB Upgrade** setting (Optional).

Parental Settings

- This setting configures parental settings.
- Select Parental Lock option by using "▼"/"▲" buttons.
- Press **OK** button to enter the menu.
- To display parental lock menu options, PIN number should be entered. Factory default PIN number is 0000. After coding the correct PIN number, parental settings menu will be displayed:



Menu Lock

- Menu lock setting enables or disables the menu access. You can disable access to the installation menu or the whole menu system.

Guidance

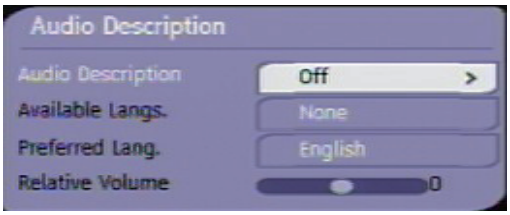
- When set, this option gets the maturity information from the broadcast and if this maturity level is disabled, the TV will not display the related video-audio.

Set Pin

- Press **OK** to display the "***Set PIN***" window. Use numeric buttons to enter the new pin number. You will need to input your new pin a second time for verification purposes.
- The factory default pin number is 0000. If you change the pin number make sure you write it down and keep it safe.

Audio Description

- Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies.
- The description narrator talks through the presentation, describing what is happening on the screen during the natural pauses in the audio (and sometimes during dialogue, if deemed necessary).
- You can use this feature, only if the broadcaster supports that additional narration track.



Audio Description

This function enables or disables the audio description feature by pressing the "◀" or "▶" buttons.

Available Langs.

Set available language options (if available)

Preferred Language (Optional)

By pressing the "◀" or "▶" buttons, preferred audio description language is changed (if available).

Relative Volume (Optional)

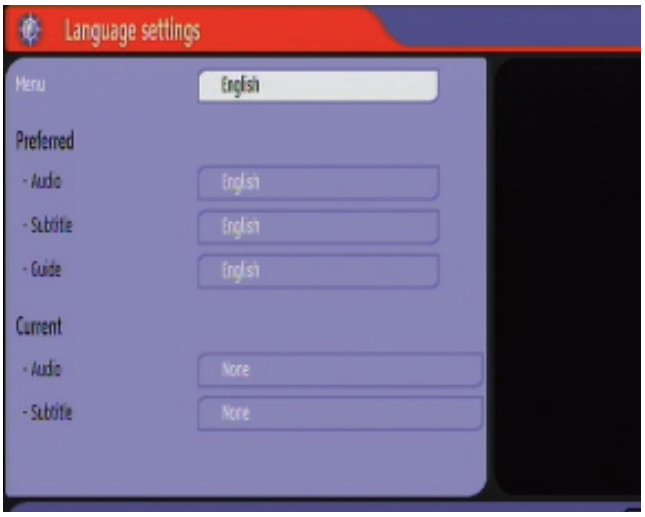
Using this option, Audio Description volume level can be increased or decrased relatively, according to the general volume.

Auto Sleep

- Press "▼" or "▲" button to select Auto Sleep. Use "◀" or "▶" button to set the Auto Sleep to **Active**, **Off** or **set to a customised time period**.
- You can set the timeout value of auto off feature. After the timeout value is reached, the box will switch off.

Configuring Language Preferences

- You can operate the TV's language settings using this menu.
- Select ***Language*** from Setup menu and press **OK** to continue.



Menu: shows the language of the system.

Preferred

These settings will be used if available. Otherwise current settings will be used.

• **Audio**: Sets the preferred audio language.

• **Subtitle**: Sets the subtitle language. Selected language will be seen in subtitles.

• **Guide**: Sets guide language.

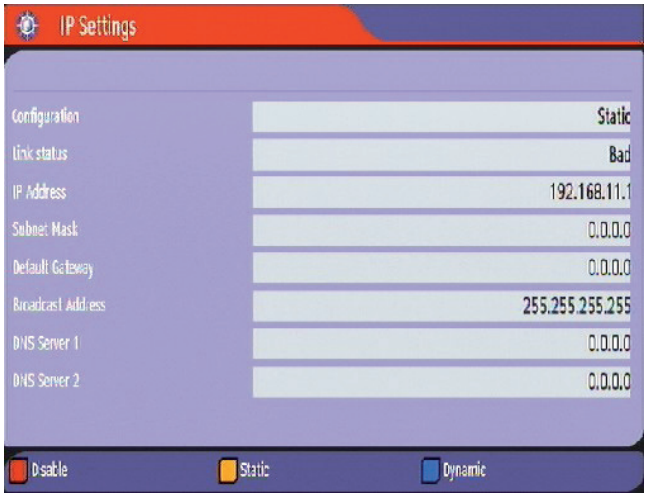
Current (*)

(*) These settings can only be changed if the broadcaster supports them. Otherwise, settings will not be available for change.

• **Audio**: Changes the audio language for the current channel.

• **Subtitle**: Sets the subtitle language for the current channel.

IP Settings



• You can configure your receiver's IP settings by using this menu screen.

• Press **YELLOW** button to set static IP settings.

• Use **BLUE** button to configure dynamic IP settings.

• You can press **RED** button to disable IP configuration.

• In order for the ethernet host to work correctly with your internet connection it needs to have a unique IP address. In most cases all of the parameters can be provided by the DHCP server in their router. In this case you should use the "***Dynamic***" option.

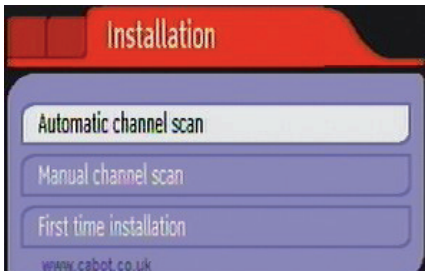
• In the unlikely event that you do not have a DHCP server in your router or if you prefer to assign your own IP address, then the "***Static***" option can be used. You will need to enter a unique IP address along with the default gateway and DNS server. In most domestic networks the default gateway and DNS server will both be the IP address of the router.

Installation

• Installation menu will help you to retune your set-top-box in order to store new services or stations.

• Select ***Installation*** from Setup menu by using "▼" or "▲" buttons and press **OK** to continue.

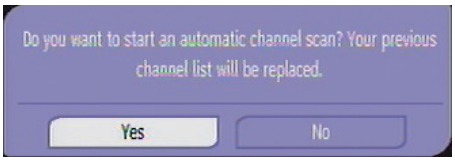
• Installation menu includes the following items:



Automatic Channel Scan

• Select ***Automatic Channel Scan*** by using "▼" or "▲" buttons and press **OK** button.

• Then the following message will be displayed on the screen:



• Highlight ***Yes*** or ***No*** by using "◀" or "▶" buttons and press **OK** button to confirm.

• If ***Yes*** is selected, automatic search starts.

• Selecting ***No*** cancels automatic search.

• After the scanning is completed, your set-top-box will store all the available channels.

Manual Channel Scan

• This feature can be used for direct broadcast entry.

• Select ***Manual Channel Scan*** by using "▼" or "▲" button and press **OK** button.

• In manual channel scan, the number of the multiplex is entered manually and only that multiplex is searched for the channels.

• For each valid channel number, signal level and signal quality are shown on the screen.

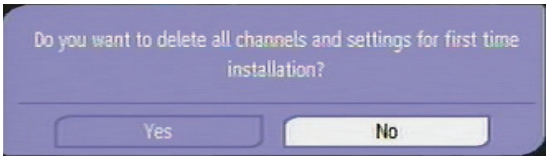
• In both manual and auto search, any existing channel in the database is not re-stored to avoid duplicates of that channel.

First Time Installation

• If you want to load default settings of your set-top-box, you can perform first time installation.

• Select ***First Time Installation*** by using "▼" or "▲" buttons and press **OK** button.

• The following message, asking you whether or not to delete all channels and settings, will be displayed.



• Highlight ***No*** by using "◀" or "▶" button to cancel installation.

• Highlight ***Yes*** by using "◀" or "▶" button and press **OK** button **to start first time installation.**

• After you select ***Yes***, factory settings will be loaded.

• Installation wizard will guide you through the installation process. See the section, "***First Time Installation***" in previous chapters for more information on this process.

OSD Warning Messages

• Some warning messages may appear on the screen indicating that a related function may not be working properly.

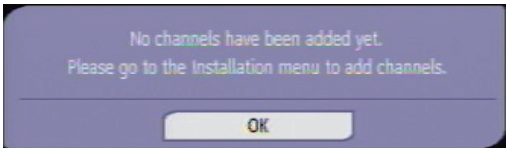
No Signal

• When the box receives no signal (e.g. the antenna cable is disconnected), "***NO SIGNAL***" message will be displayed on the screen.

No Channels Have Been Added Yet

• When there are no channels stored in the box, Channel List menu will not be displayed and channel navigation will not be available.

• In such cases, the following error message will be displayed.



Displaying Text

• Many digital terrestrial television channels broadcast pages of information on programmes, the weather, news and other topics.

• This digital teletext can be displayed by your set-top-box. Indeed, some channels broadcast teletext information entirely.

• When such a channel is selected, it will usually display the opening page of information automatically, after a short break.

• Some channels have digital teletext pages broadcast along with the television programme.

• Press **TEXT** button to activate digital teletext pages (if available).

• You can move through the information channels by using navigation ("▼"/"▲"/"◀"/"▶"), **OK** and coloured buttons.

• Press the **TEXT** button again to exit teletext mode.

Troubleshooting

Problem	Possible Reasons	What To Do
The LED indicator does not glow.	Check if the AC Adaptor is plugged into the power socket and switched on.	Connect DC lead to 12 Volt DC socket on the box ensuring its all the way home.
No picture or sound.	No signal or weak signal.	Check the aerial and video connections (scart/HDMI).
The remote control is not working.	• The set-top-box is in standby. • Remote control is out of range. • Batteries are exhausted.	• Press the STANDBY button. • Check that the remote control range is clear. • Replace the batteries with new ones.
Password is forgotten.		Contact with the nearest service center.

Battery

Information for Users on Disposal of Old Equipment and Batteries [European Union only]

These symbols indicate that equipment with these symbols should not be disposed of as general household waste. If you want to dispose of the product or battery, please consider the collection systems or facilities for appropriate recycling.

Notice: The sign Pb below the symbol for batteries indicates that this battery contains lead

General Characteristics

Supply Voltage for set-top box:	12 V DC
Supply Voltage for DC Adaptor :	220 - 240 V AC ~ 50Hz
Input Frequency	470Mhz-862Mhz
Maximum Power consumption	15 W
Typical Power consumption	8 W
Standby Power Consumption	<1 W
USB (optional) Current Limit	500mA
Operating temperature	5ºC to +40ºC
Storage temperature	-20ºC to +70ºC
Humidity	25 to 75 % rel
Physical dimensions	295 x 170 x 40 mm
Weight	900 g

Hardware Configuration

Main Processor	MPEG Decoder NEC EMMA3SL/HD
Flash Memory	8MB NOR BGA
DDRRAM	2x128MB DDR2(HD Decoding for HD Mpeg4 Receiver)

Digital Capabilities

Transmission Standards: DVB-T, MPEG2 MPEG4
DVB-T2, MPEG4

Demodulation:

- Combined DVB-T2, DVB-T demodulator that conforms to the ETSI EN 302-755 (second generation Terrestrial) and ETSI EN 300-744 (Terrestrial) standards.
- Symbol rate: COFDM with 2k, 4k, 8k, 16k, 32k FFT mode
- Modulation: 16QAM, 64QAM, 256QAM FEC for all DVB modes (automatically found)

VIDEO

- H.264 (MPEG-4 part 10) main and high profile level 4.1/MPEG-2 MP@HL video decoder.
- HD display multi format capable (1080p, 1080i, 720p, 576p)
- Analogue SD output: RGB and CVBS

AUDIO

- MPEG-1 layer I/II, MPEG-2 layer II, MPEG-2 AAC, MPEG-4 AAC
- Sampling frequencies supported are 32, 44.1 & 48 kHz

Remote Control

Operating Distance	10 m Max.
Batteries	2x1.5V Micro (R-03/AAA)

Tuners

1 xRF In	IEC-type, female (75Ohm)
1 x RF Out (loop through)	IEC-type, male (75Ohm)

Front Panel

Display : 7 segment led display

Remote Control Keys	Standby, PR+ / PR-

Audio

Output	2 Vrms, 0 dBfs / Z = 10 kohm

Digital Audio

Output	Optical SPDIF

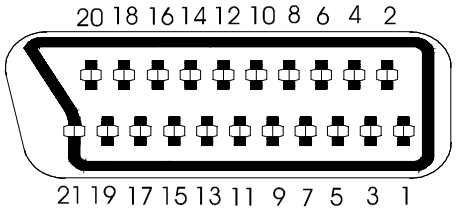
A / V & Data In / Out

Scart	TV scart
RGB Video Output	TV scart
CVBS Video Output	TV scart
Analogue Audio Output	TV scart
Digital Audio Output	Optical output
HDMI Output	HDMI
USB Input	USB 2.0 High Speed (Optional) (For service use only.)

NOTE: *The USB port is used for software upgrading only. USB connector does not have any other functions such as playing audio or picture files. It is only used for software upgrading (Optional).*

TV Scart

Video output	:	Composite video signal; 1 Vp-p±3dB/75 ohm
Audio output	:	2 Vrms / Z = 10kW
Function switching	:	12V / 6V for 4:3 / 16:9 / Z = 10kW



Product Guarantee

This product is guaranteed against manufacturing defects for a period of

1 Year

This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use.

In the event of a problem with the product within the guarantee period please return it to your nearest store.

If the item is shown to have had an inherent defect present at the time of sale, the store will provide you with a replacement.

Your statutory rights remain unaffected.

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Made in Turkey

Following information is only for EU-member states:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.